# PRODUCT DATASHEET
# PL COMP 1200 V 33W 840

PANEL COMPACT 1200 | Rectangular recessed panel luminaires, for 1200 x 300 mm ceiling systems



VALUE CLASS

## Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 1200 x 300 mm

## Product benefits

- Low flicker light thanks to special electronic control gear
- External driver with an optional 3-pole through-wiring feature
- Versions with DALI ECG available
- 5 years guarantee

## Product features

- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)


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# TECHNICAL DATA

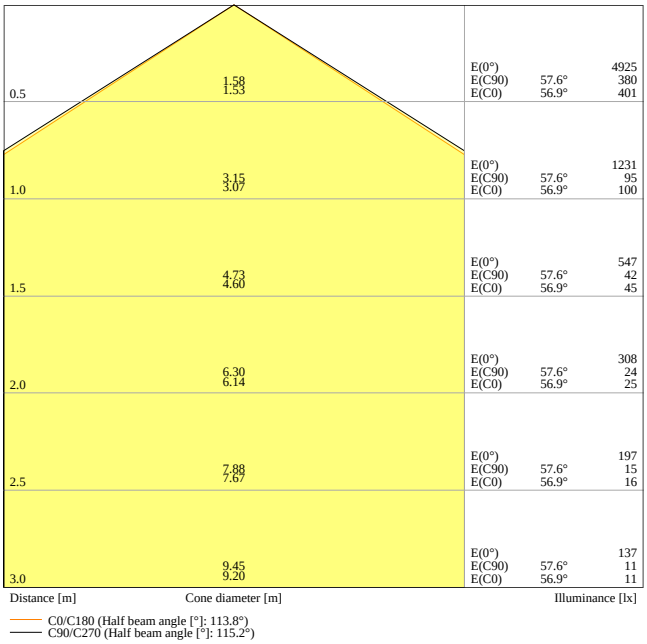
## Electrical data

| | |
|---|---|
| Nominal wattage | 33.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 150.000 mA |
| Inrush current | 12.3 A |
| Inrush current time $T_{h50}$ | 52 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 61 |
| Max. number of luminaires per miniature circuit breaker C10 | 48 |
| Max. number of luminaires per miniature circuit breaker C16 | 78 |
| Power factor λ | > 0.90 |
| Maximum total harmonic distortion | < 10 % |
| Protection class | II |
| Operating mode | External LED driver |

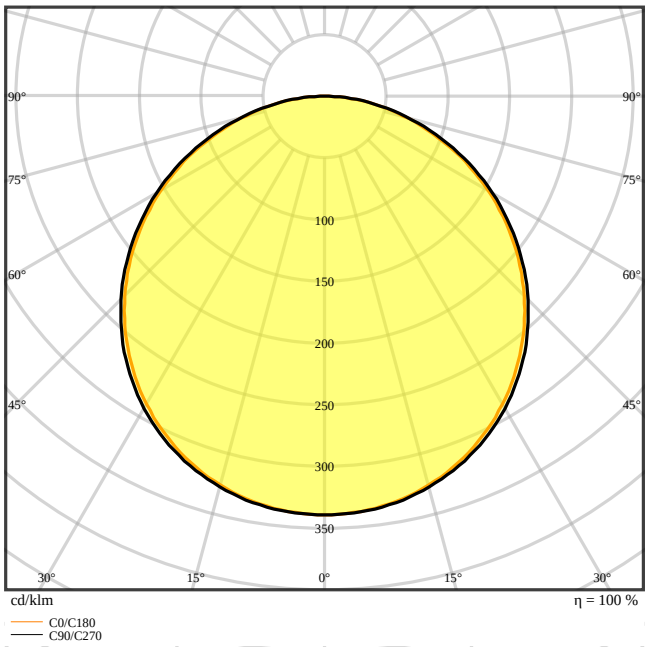
## Photometrical data

| | |
|---|---|
| Luminous flux | 3630 lm |
| Luminous efficacy | 110 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | ≤5 sdcm |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |


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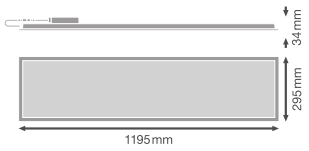

PL COMP 1200 V 33W 840 EM CONVERSION BOX




PL COMP 1200 V 33W 840 EM CONVERSION BOX

## Dimensions & Weight

| | |
|---|---|
| Length | 1195.00 mm |
| Width | 295.00 mm |
| Height | 34.00 mm |
| Product weight | 1543.00 g |




PL COMP1200 V


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## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9003 |
| Body material | Aluminum |
| Cover material | Polystyrene (PS) |
| Light emitting surface material | Polystyrene |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -10…+45 °C |
| Temperature range at storage | -20…+70 °C |
| Type of connection | Screwless terminal, 2-Pole (L, N) |
| Type of protection | IP40/IP20 |
| Protection class IK (shock resistance) | IK02 |
| Dimmable | No |
| Mounting type | Recessed/Suspended/Surface |
| Mounting location | Ceiling |
| Application environment | Indoor |
| Mounting length | 1190 mm |
| Mounting width | 290 mm |
| Mounting depth | 50,0 mm |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | No |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 70000 h [1)] |
| Lifespan L80/B10 at 25 °C | 50000 h [1)] |
| Lifespan L80/B50 at 25 °C | 50000 h |
| Lifespan L90/B10 at 25 °C | 40000 h [1)] |
| Number of switching cycles | 50000 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Control gear

| | |
|---|---|
| Output current | 700 mA |


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| | |
|---|---|
| Output ripple current (100 Hz) | < 7 % |
| ECG - Length | 116.7 mm |
| ECG - Width | 49.9 mm |
| ECG - Height | 27 mm |
| Recommended control gear | LEDV DR DALI-P-44/220-240/1050 |

## Emergency lighting

| | |
|---|---|
| Type of Emergency Lighting (EL) | Optional EL unit (battery and controller) for decentral operation available separately |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / ENEC / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00008-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | CONNECTOR BOX 5POLE L/N/PE/D+/D- 4x | 4058075473034 |
|  | EM CONVERSION BOX | 4058075237025 |
|  | CONNECTOR BOX 5POLE L/N 4x | 4058075473010 |
|  | PANEL 1200x300 RECESSED MOUNT FRAME | 4058075472976 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x | 4058075409859 |


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| Product image | Product name | EAN |
|---|---|---|
|  | PANEL Suspension Kit | 4058075402928 |
|  | PANEL 1200 X 300 SURFACE MOUNT KIT VAL | 4058075472952 |

## EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box
- Connector box with 5-pole terminal for through-wiring separately available for cable cross sections up to 2.5 $mm^2$

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | UI PL COMP 1200 V |
| PDF | Legal information | LISO Insert PL COMP 1200 V |
| PDF | Legal information | EM Insert PL COMP |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Declarations of conformity | CE Declaration of Conformity PL COMP V |
| PDF | Declarations of conformity UKCA | UKCA Declaration of Conformity PL COMP V |
| PDF | Certificates | PL COMP |
| PDF | EPD | EPD EN PANEL COMPACT DALI |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | PL COMP 1200 V 33W 840 EM CONVERSION BOX |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | LDT file (Eulumdat) | PL COMP 1200 V 33W 840 EM CONVERSION BOX |
| | ULD file (DIALux) | PL COMP 1200 V 33W 840 |
| | ROLF file (RELUX) | PL COMP 1200 V 33W 840 |
| | UGR file (UGR table) | PL COMP 1200 V 33W 840 EM CONVERSION BOX |
| | Light distribution curve type cone | PL COMP 1200 V 33W 840 EM CONVERSION BOX |
| | Light distribution curve type polar | PL COMP 1200 V 33W 840 EM CONVERSION BOX |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | Panel Compact |
| | CAD STEP 3D | PL COMP 1200x300 |

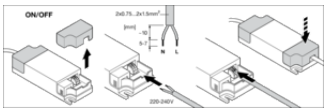
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | PANEL COMPACT 1200 33W 840-EN |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854017162 | Folding box<br>1 | 1,260 mm x 39 mm x 304 mm | 2032.00 g | 14.94 $dm^3$ |
| 4099854017179 | Shipping box<br>4 | 1,277 mm x 172 mm x 328 mm | 9048.00 g | 72.04 $dm^3$ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## ADDITIONAL CATALOG INFORMATION




## References / Links

– For Guarantee see www.ledvance.com/guarantee


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